

WHAT IS CLAIMED IS:

1. An ultrasound phantom comprising:

a base member which is formed of a material for transmitting ultrasound waves so as to imitate a part of a human body, and includes a first storage portion with a small width connected with a second storage portion with a great width;

at least one or more internal organ models, which are stored in the first and second storage portions, for imitating human internal organs; and

a jelly-like member for transmitting ultrasound waves, disposed so as to be filled in around the internal organ models.

2. An ultrasound phantom according to Claim 1, wherein the base member has an inserting hole, communicating with the inside of the first storage portion, into which an ultrasonic probe including an ultrasonic transducer can be inserted.

3. An ultrasound phantom according to Claim 2, wherein one end of an esophagus model, which is stored in the first storage portion, for imitating an esophagus, is mounted to the inserting hole.

4. An ultrasound phantom according to Claim 1, wherein a stomach model is stored in the second storage portion for imitating a stomach.

5. An ultrasound phantom according to Claim 1, wherein the base member further includes a tube-shaped cavity for imitating a blood vessel.

6. An ultrasound phantom according to Claim 1, wherein the base member further includes a tube-shaped cavity for imitating a spine.

7. An ultrasound phantom according to Claim 1, wherein one or more blocks, formed of a jelly-like material, where internal organ models have been embedded, can be detachably stored in the first and second storage portions.

8. An ultrasound phantom according to Claim 1, wherein the internal organ models are formed of animal internal organs.

9. An ultrasound phantom according to Claim 8, wherein the animal internal organ is stored in the first or second storage portion following removal of the mucous membrane

thereof causing strong odor.

10. An ultrasound phantom according to Claim 3, wherein the one end of the esophagus model is fixed to the inserting hole via a step-shaped fixing tube.

11. An ultrasound phantom according to Claim 1, wherein the base member has a first member, formed of a soft material for transmitting ultrasound waves, which forms a portion around the region where the first and second storage portions are formed, and a second member, formed of a material harder than the first material, which forms the region around the first member.

12. An ultrasound phantom according to Claim 5, wherein the tube-shaped cavity is connected to a unit for running fluid.

13. An ultrasound phantom according to Claim 1, wherein the upper faces of the first and second storage portions are covered with a member for preventing evaporation of water or the like.

14. An ultrasound phantom according to Claim 1, wherein the jelly-like member has a function for preventing

decomposition.

15. An ultrasound phantom according to Claim 1, wherein the base member includes a material formed of rubber.

16. An ultrasound phantom according to Claim 1, wherein the jelly-like member comprises a material hardened from a soft material over time from addition of liquid.

17. An ultrasound phantom comprising:  
a base member which is formed of a material for transmitting ultrasound waves so as to imitate a part of a human body, and includes a storage portion;  
one or more internal organ models, which are stored in the storage portion, for imitating human internal organs;  
an elastic member for transmitting ultrasound waves, disposed so as to be filled in around the internal organ models; and  
a tube path into which an ultrasonic probe including an ultrasonic transducer can be inserted.

18. An ultrasound phantom according to Claim 17, wherein the elastic member contains a jelly-like member.

19. A manufacturing method for an ultrasound phantom

comprising:

a step wherein a first storage portion with a small width, communicating with an inserting hole into which an ultrasonic probe or an ultrasonic endoscope is to be inserted, and a second storage portion with a great width, are connected on a base member formed of a material which transmits ultrasound waves;

a step wherein one or more internal organ models imitating human internal organs are stored in the first and second storage portions; and

a step wherein a jelly-like member for transmitting ultrasound waves is filled in around the internal organ models.

20. A manufacturing method for an ultrasound phantom according to Claim 19, further comprising a step wherein cavities are provided to the base member for imitating a blood vessel and a spine.